

## PROCESSING COPY

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY Hungary

REPORT

SUBJECT

Power Plant and Chemical Factory  
at Tiszapalkonya

DATE DISTR.

16 April 1957

25X1

NO. PAGES

1

REQUIREMENT  
NO.

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DATE OF  
INFO.

REFERENCES

PLACE &  
DATE ACQ.

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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

report, complete with sketch maps,  
describing the power plant and chemical factory which were under construction  
at Tiszapalkonya, Hungary, before the revolution of October 1956.

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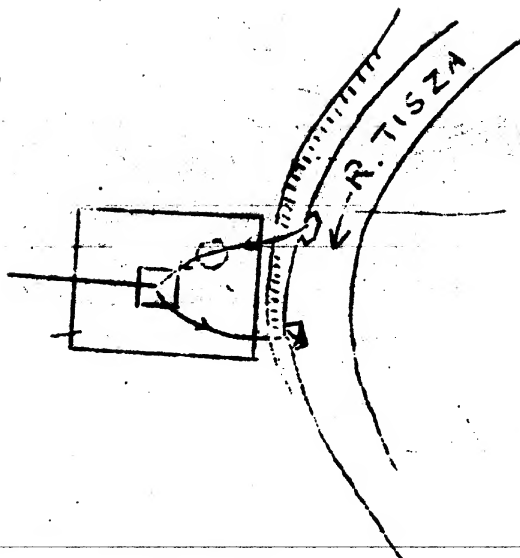
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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

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Appendix D

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Under water pump

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Electric generator for use at low water periods

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Filter



Boilers

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HUNGARYEconomic

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Power Station and Chemical Combine at TISZAPALKONYA.

1. The construction of the TISZAPALKONYA Chemical plant is not quite finished, though it is already producing considerable quantities of nitrogenous fertilizers for agriculture. It is believed that eventually explosives for the Soviet armed forces will be produced.
2. The housing estate shown on the sketch at Appendix B is to house 12,000 people, of whom one third are to be workers.
3. The power station is constructed to use the poor quality coal from the mines of the SAJO Valley. It is thought that it will be the largest power station in Hungary. At present it could use 600/800 wagons of coal per day and 10 - 15 m<sup>3</sup> per second of water. The coal is transported by rail and by the partially completed TISZA-SAJO canal. Conversion of the railway to double track was due to begin this winter.
4. The extraction of the water from the River TISZA is done by an under-water pump. Water flows through a pipe to the filter at the rate of 10 - 15 m<sup>3</sup> per second; at the filter it must reach a purity rating of less than 70 mgs per cubic metre. It goes thence to the cooler and from there part of it flows by gravity back into the TISZA. During the latter process it is planned to produce electrical power at times of low water in the river. The remaining water - at present about 3 m<sup>3</sup> per second - flows from the power station to the Chemical Combine for utilization there.
5. In addition to the water from the power station, a supplementary source of supply is used in the wells at present being constructed to the North West of the Combine. The wells are 10 metres in diameter, 40 metres deep in gravel soil. Water is also stored in the water tower. The total cold water requirements of the Combine are 150 litres per second.
6. When the combine is completed it is planned to pipe the Roumanian natural gas to Tiszapalkonya for use in the combine. The pipe has already reached NYIREGYHAZA.

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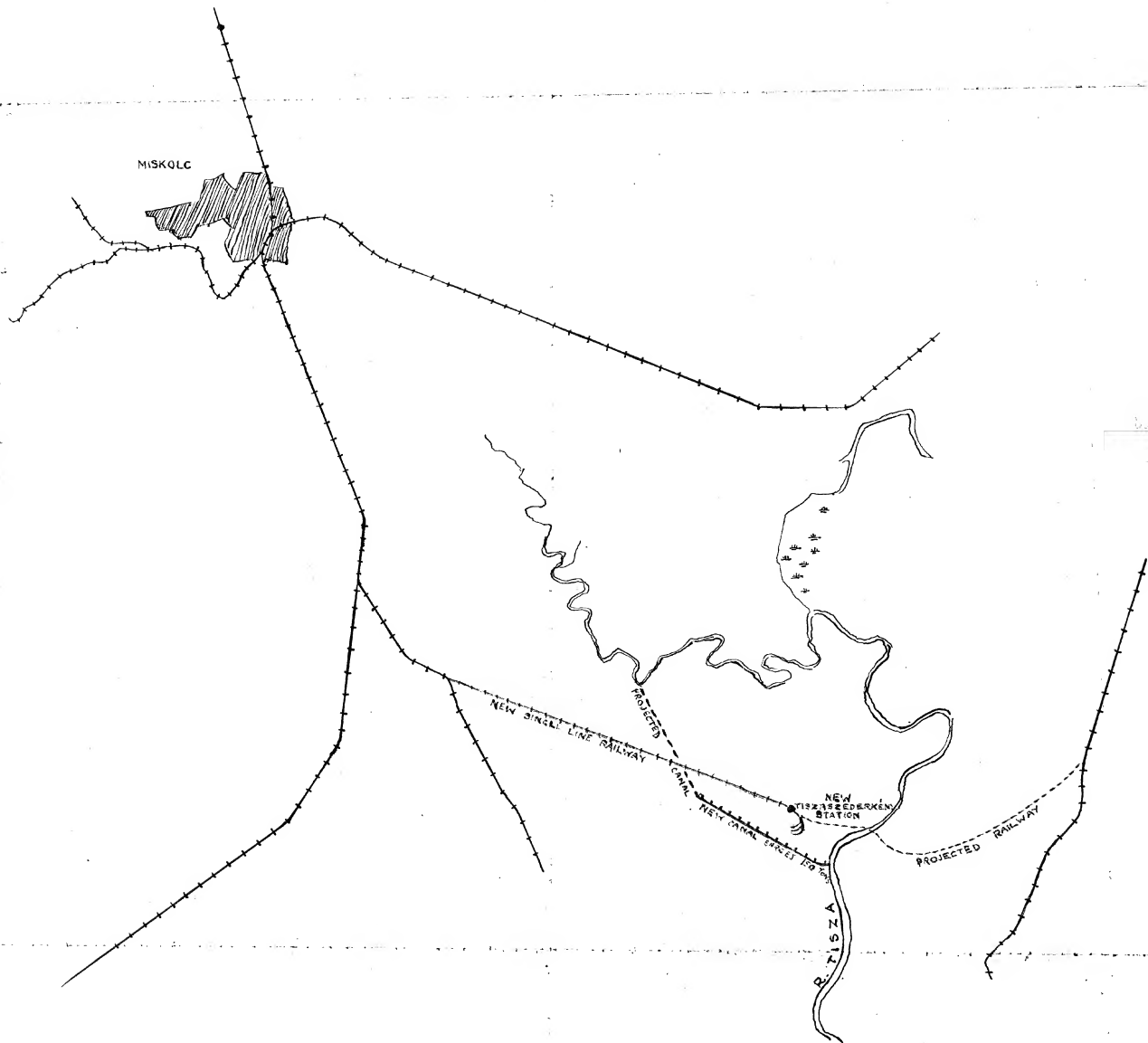
7. The following Appendices are attached :
- A. a trace of the map Middle Danube 1:100,000 Sheet X 15 (MISKOLC), showing the location of the chemical combine and the railway and canal built and projected.
  - B. a general sketch map (not to scale) of the Power station and Chemical Combine.
  - C. a more detailed sketch showing the combine, power plant, water purifying plant and well bores.
  - D. an enlarged sketch map of the power station.

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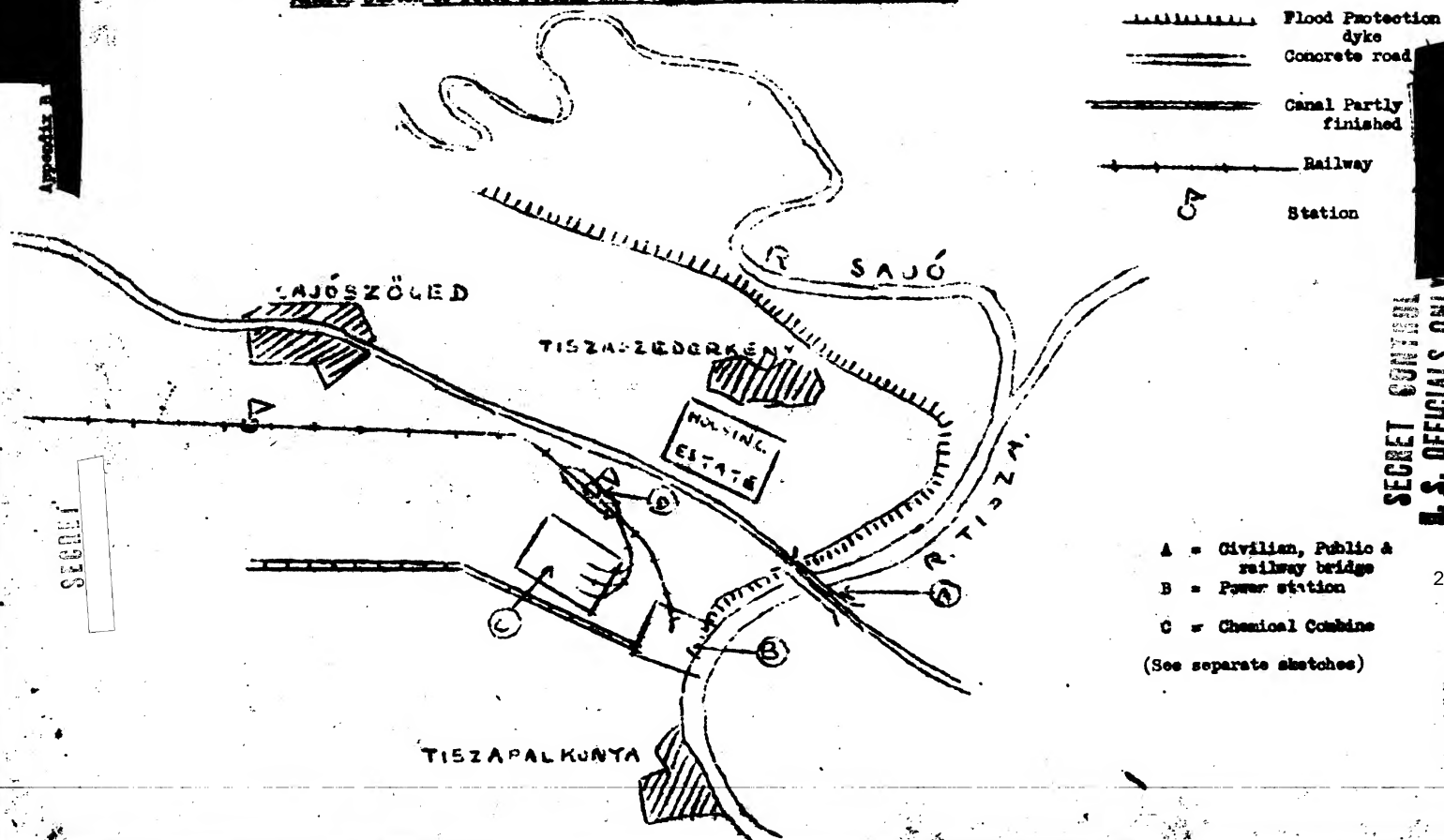
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General Sketch of Power Station and Chemical Combine at TISZAPALKONYA

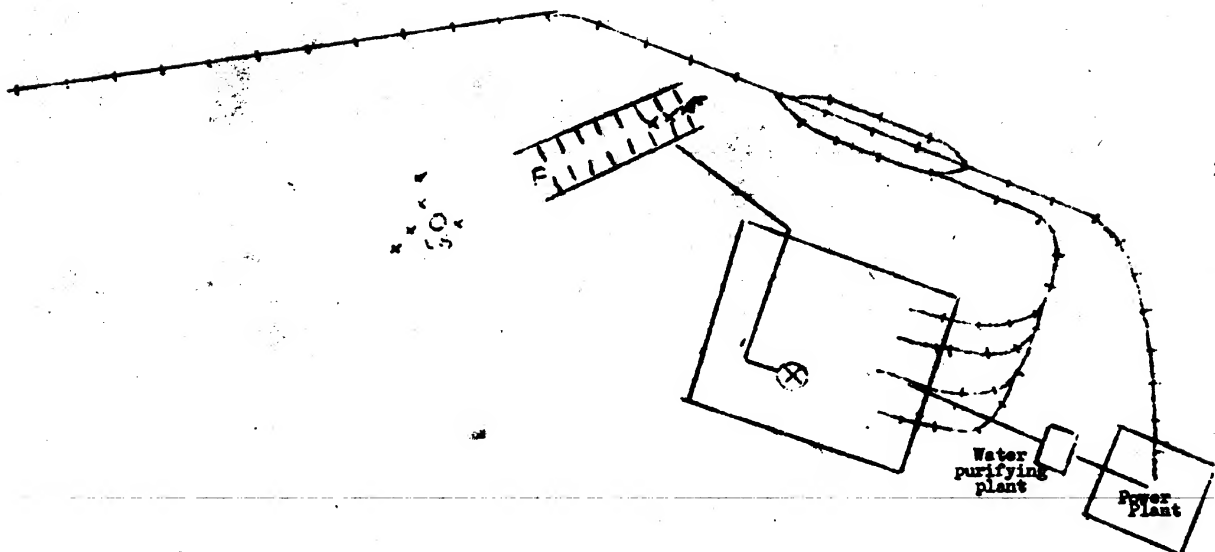


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Sketch - Chemical Contingency

- F Well bores
- CS Horizontal bore
- X Well completed
- Test bores
- ⊗ Water Tower



Appendix C

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